

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,183,078 B2  
APPLICATION NO. : 10/626445  
DATED : February 27, 2007  
INVENTOR(S) : Timothy Lovenberg et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20,

Line 48, delete "primmer" and insert -- primer --.

Line 63, delete " $\beta$ -AND+," and insert --  $\beta$ -NAD+, --.

Column 21,

Line 19, delete "34" and insert -- 3-4 --.

Column 29,

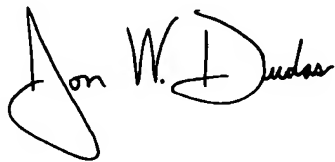
Line 20, delete "H3" and insert -- H4 --.

Column 49,

Line 18, delete "receptor in" and insert -- receptor protein in --.

Signed and Sealed this

Eighth Day of April, 2008

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a distinct "D".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*